FIG.1

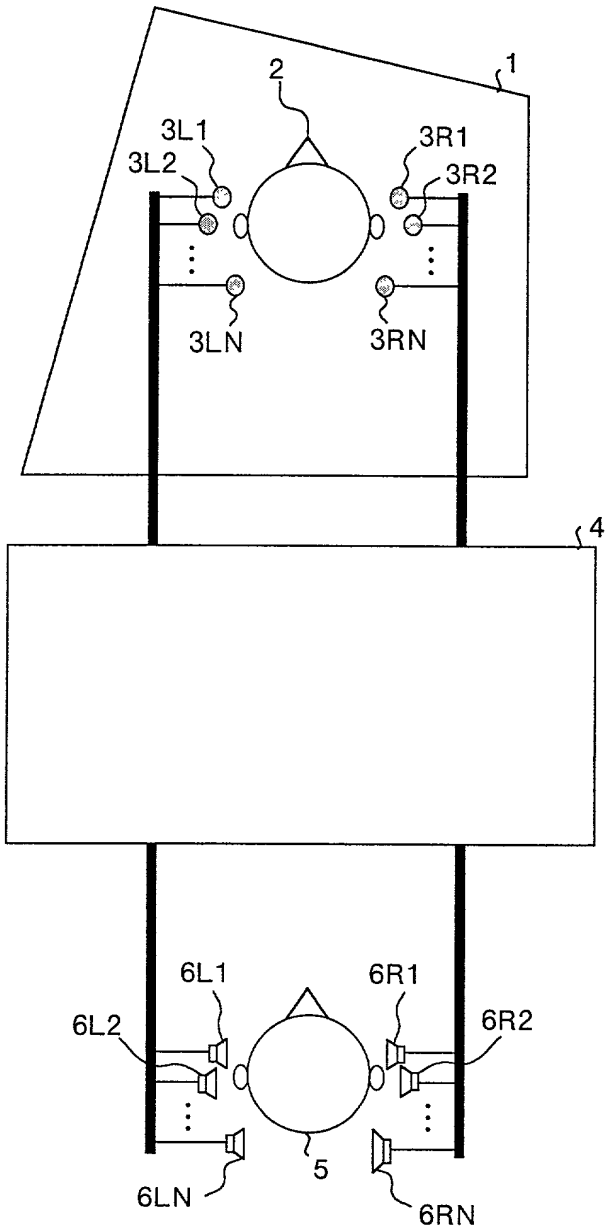


FIG.2

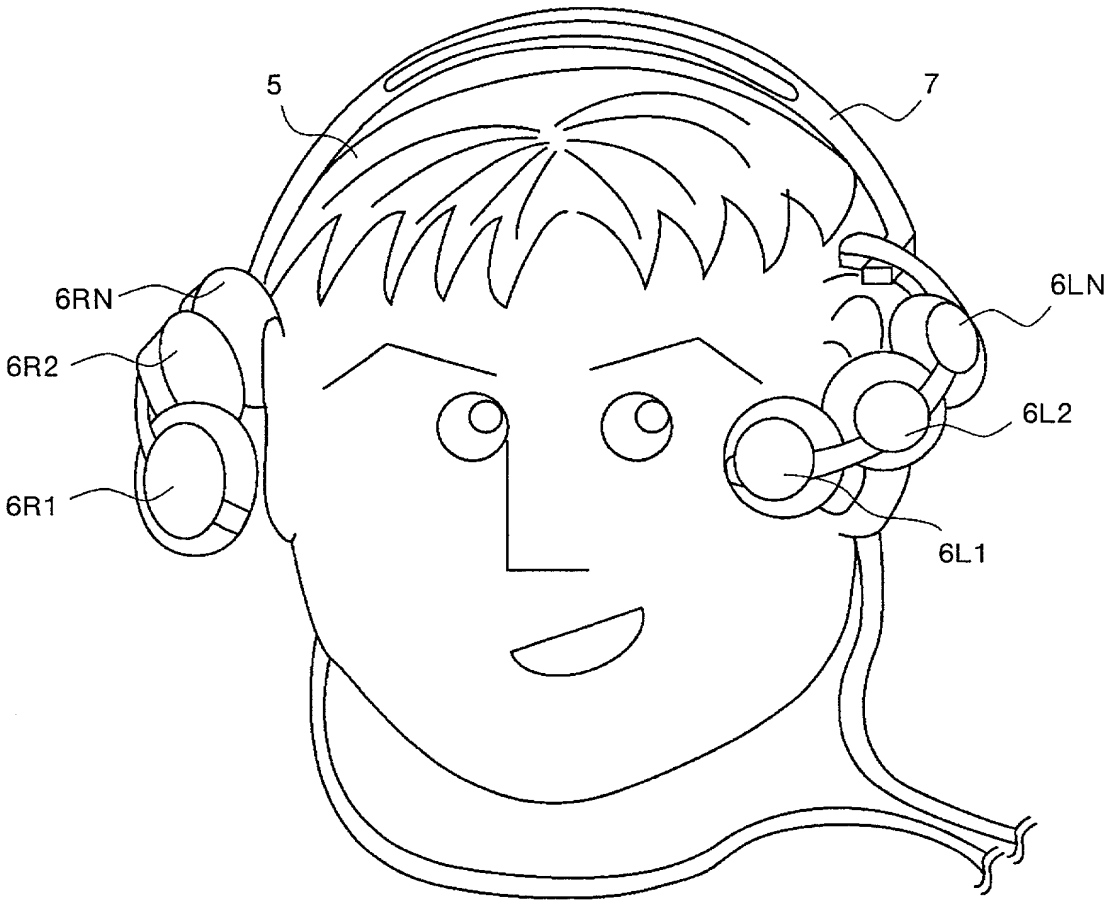


FIG.3

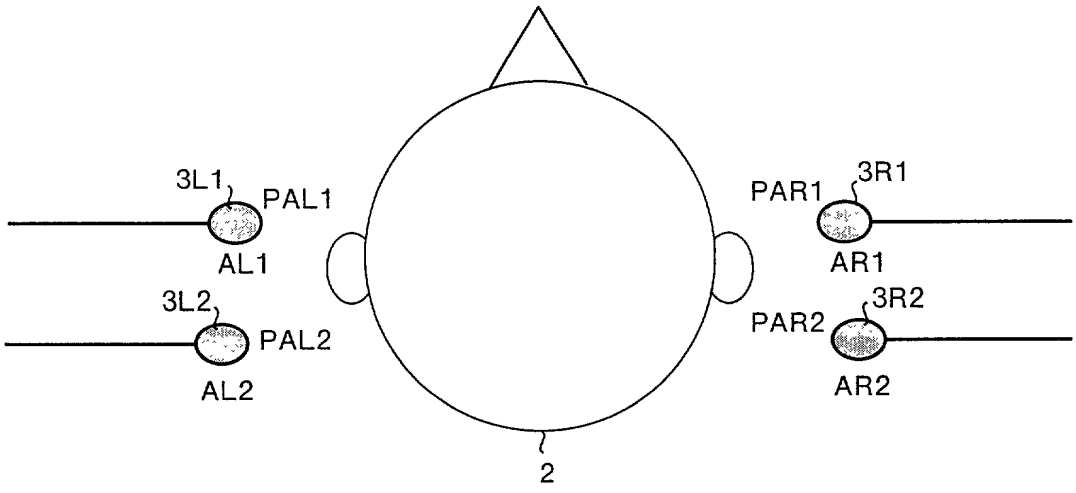


FIG.4

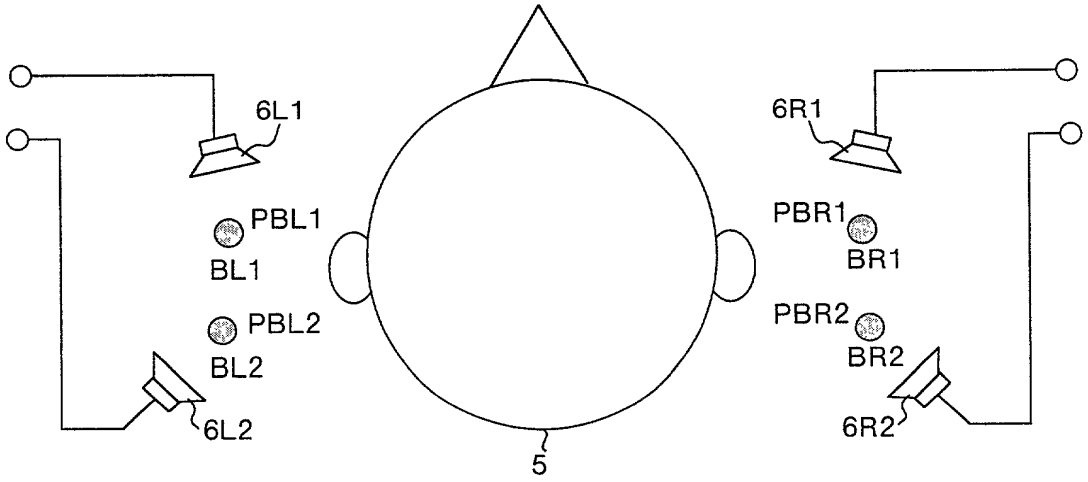


FIG.5

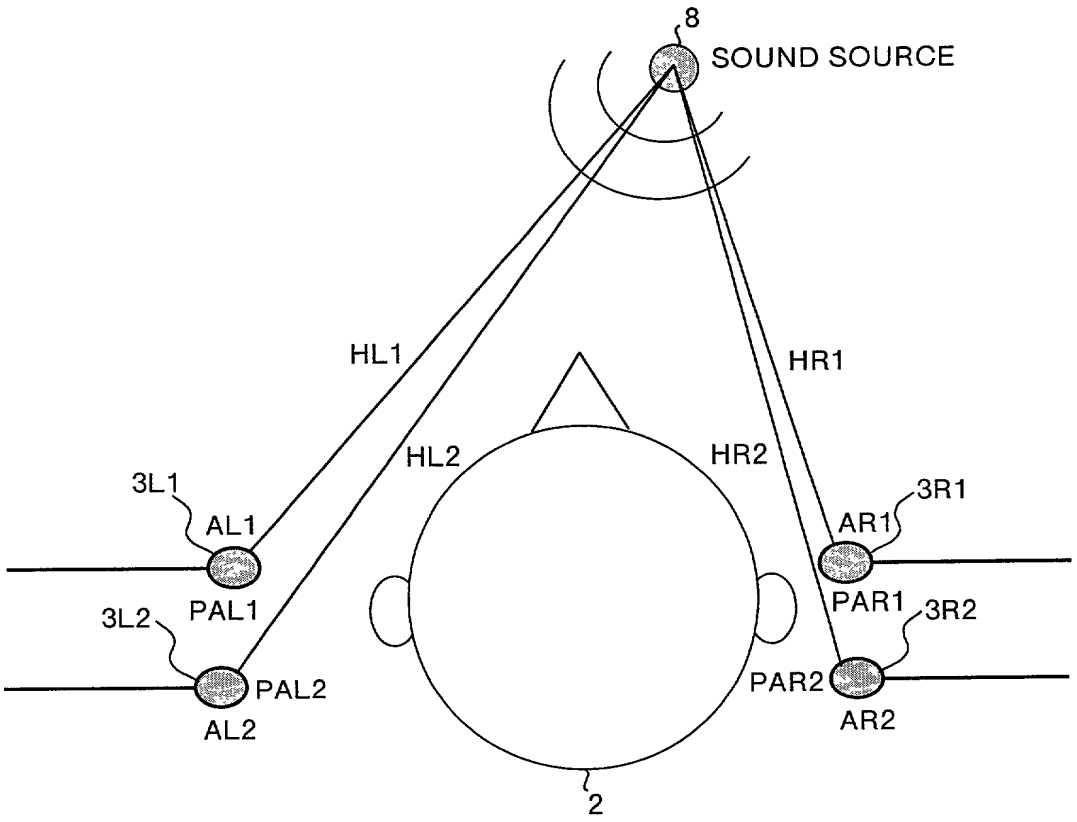

8
SOUND SOURCE
HL1
HR1
HL2
HR2
3L1
AL1
PAL1
3L2
PAL2
AL2
3R1
AR1
PAR1
3R2
PAR2
AR2
2

FIG.6

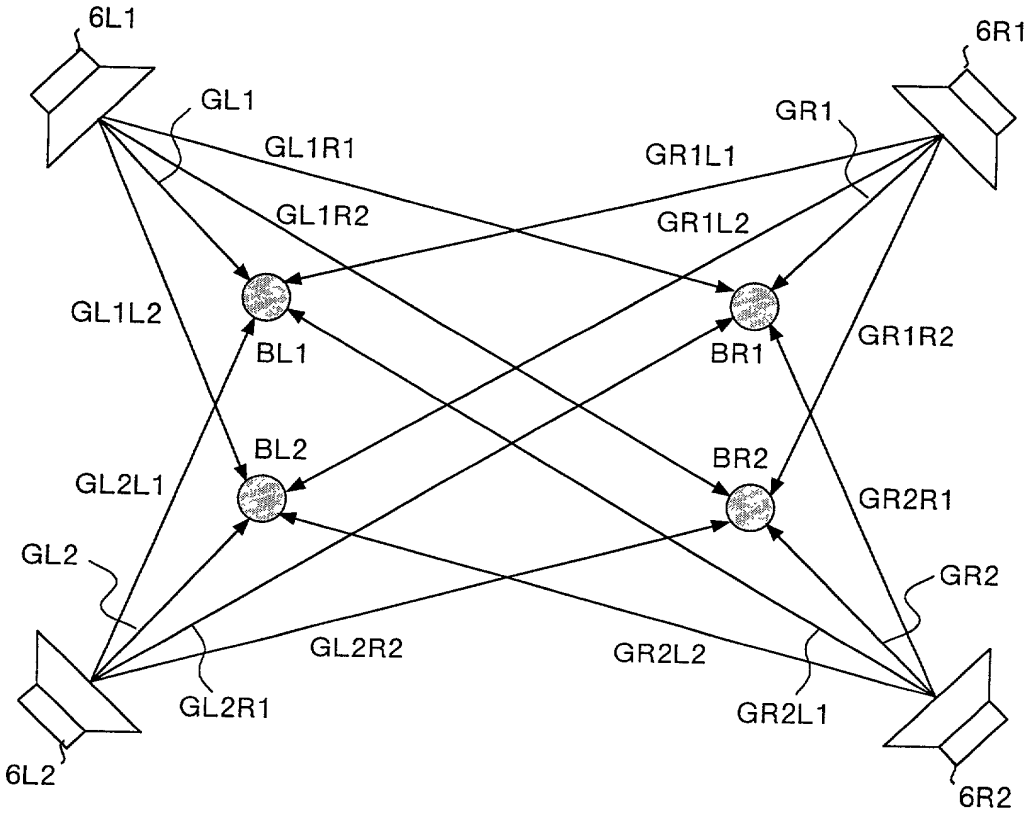

6L1
6R1
GL1
GR1
GL1R1
GR1L1
GL1R2
GR1L2
GL1L2
BL1
BR1
GR1R2
BL2
BR2
GL2L1
GR2R1
GL2
GR2
GL2R2
GR2L2
GL2R1
GR2L1
6L2
6R2

FIG.7

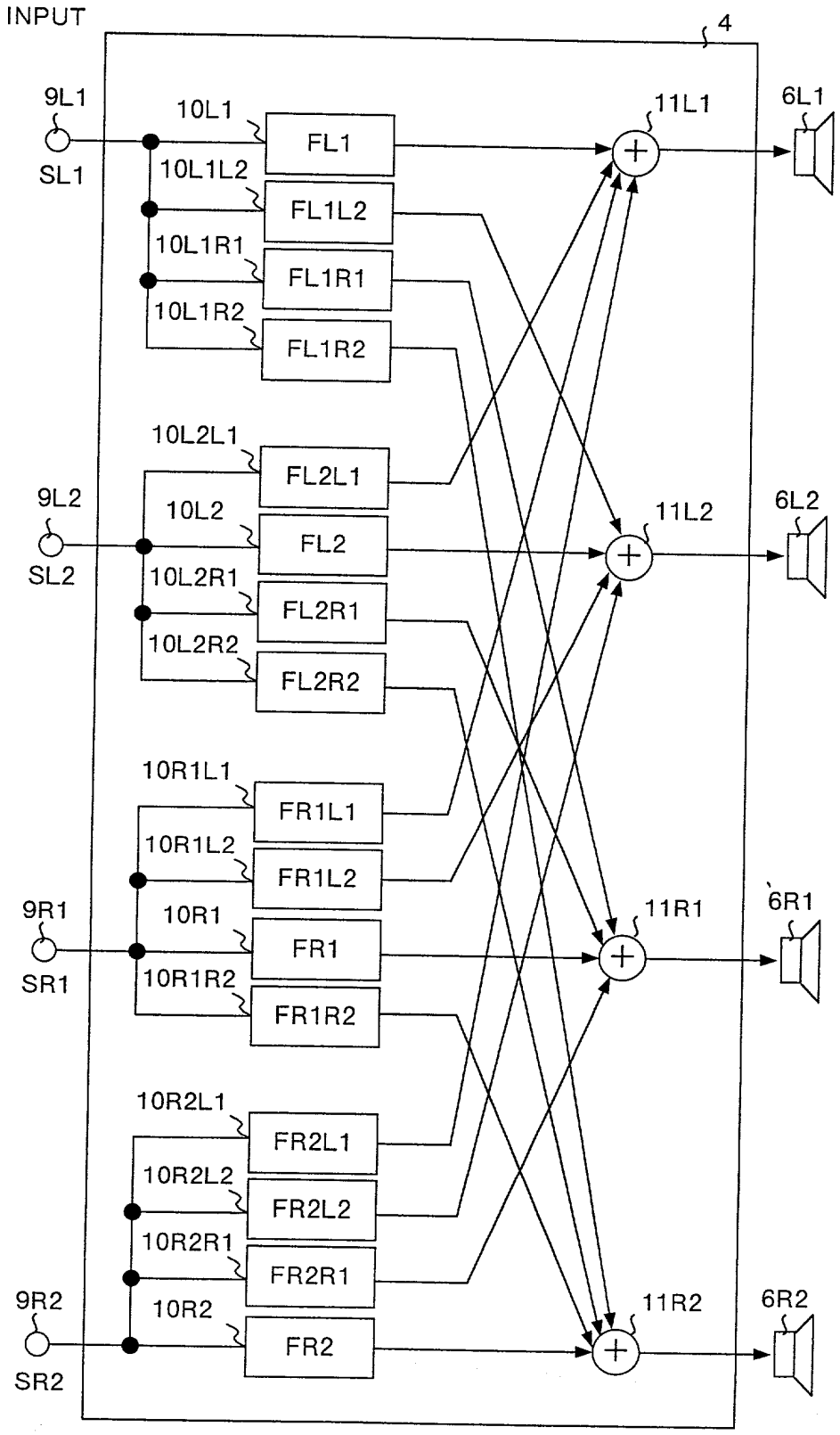

INPUT
4
9L1
SL1
10L1
FL1
10L1L2
FL1L2
10L1R1
FL1R1
10L1R2
FL1R2
11L1
6L1
10L2L1
FL2L1
9L2
SL2
10L2
FL2
10L2R1
FL2R1
10L2R2
FL2R2
11L2
6L2
10R1L1
FR1L1
10R1L2
FR1L2
9R1
SR1
10R1
FR1
10R1R2
FR1R2
11R1
6R1
10R2L1
FR2L1
10R2L2
FR2L2
10R2R1
FR2R1
9R2
SR2
10R2
FR2
11R2
6R2

FIG.8

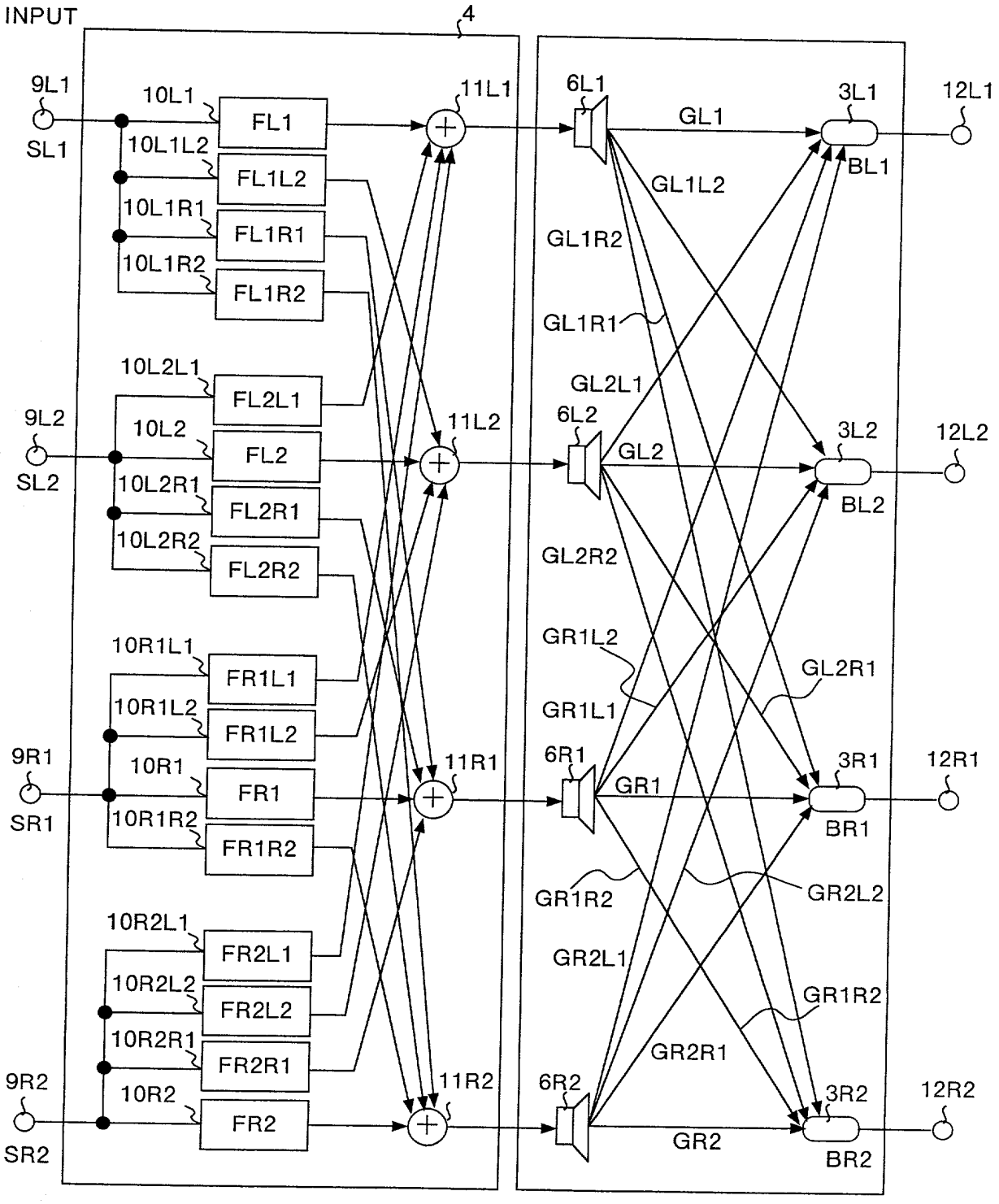

INPUT
4
9L1
SL1
10L1
FL1
10L1L2
FL1L2
10L1R1
FL1R1
10L1R2
FL1R2
11L1
6L1
GL1
3L1
12L1
BL1
GL1L2
GL1R2
GL1R1
10L2L1
FL2L1
9L2
SL2
10L2
FL2
10L2R1
FL2R1
10L2R2
FL2R2
11L2
6L2
GL2L1
GL2
3L2
12L2
BL2
GL2R2
10R1L1
FR1L1
10R1L2
FR1L2
9R1
SR1
10R1
FR1
10R1R2
FR1R2
11R1
6R1
GR1L2
GL2R1
GR1L1
GR1
3R1
12R1
BR1
GR1R2
GR2L2
10R2L1
FR2L1
10R2L2
FR2L2
10R2R1
FR2R1
9R2
SR2
10R2
FR2
11R2
6R2
GR2L1
GR1R2
GR2R1
GR2
3R2
12R2
BR2

FIG.9

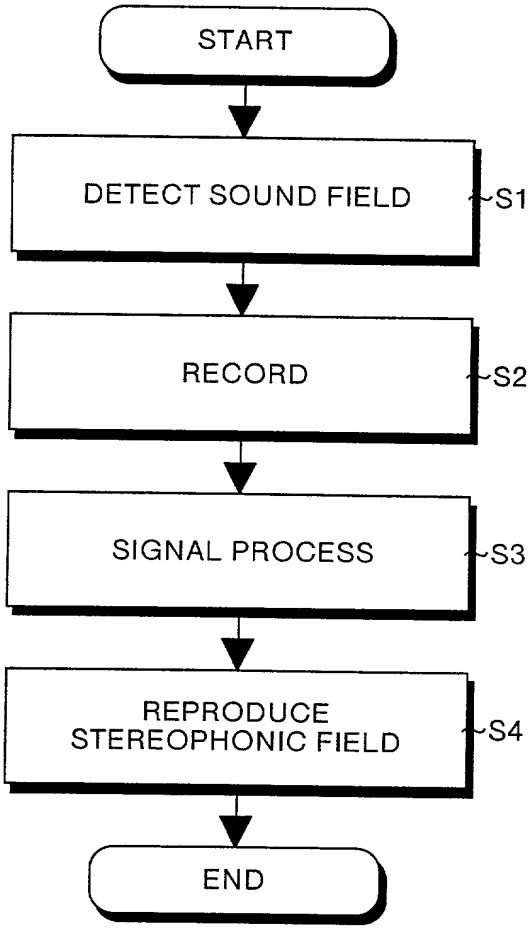

START
DETECT SOUND FIELD
S1
RECORD
S2
SIGNAL PROCESS
S3
REPRODUCE STEREOPHONIC FIELD
S4
END

FIG.10

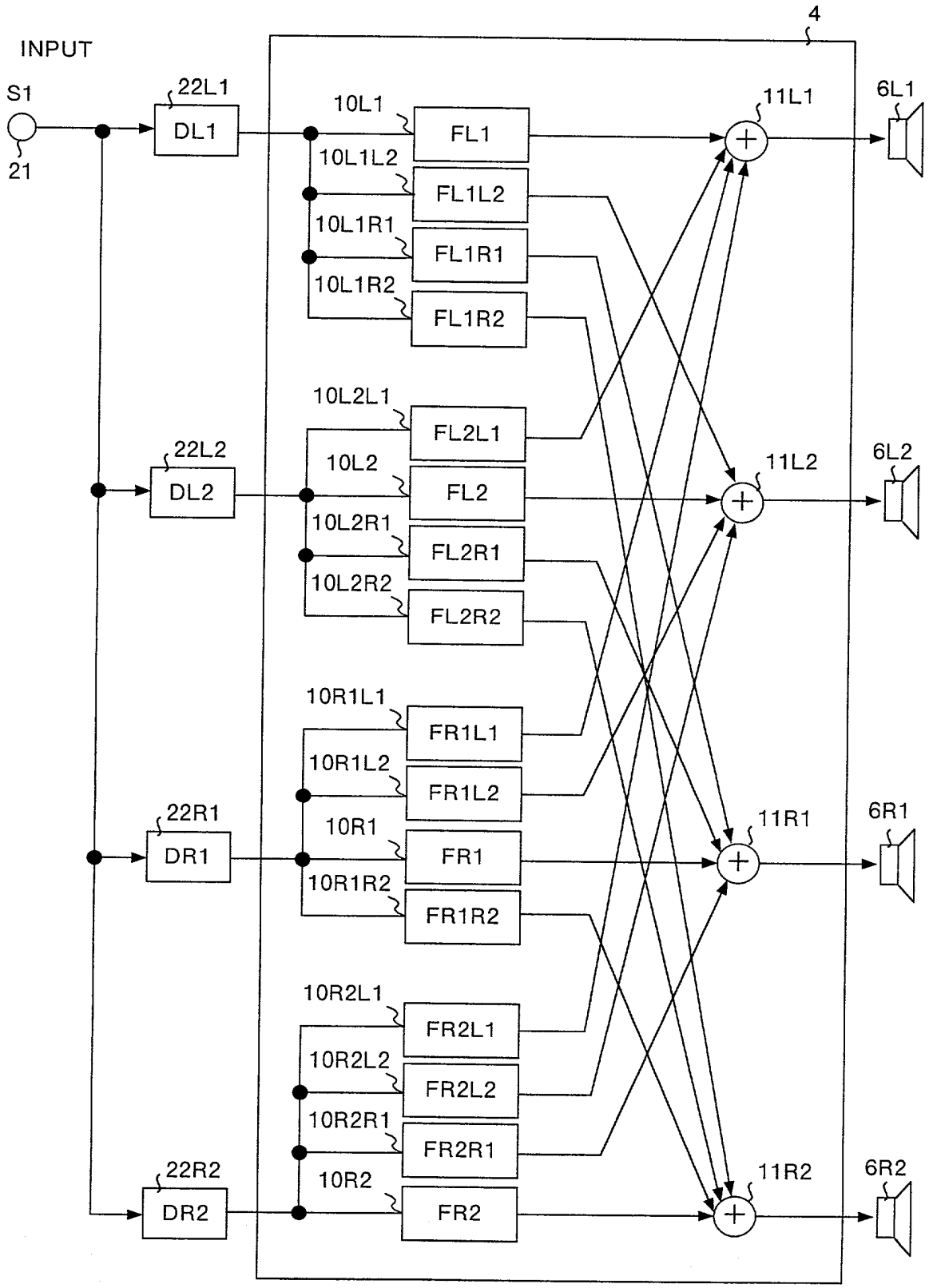

4
INPUT
S1
21
22L1
DL1
22L2
DL2
22R1
DR1
22R2
DR2
10L1
FL1
10L1L2
FL1L2
10L1R1
FL1R1
10L1R2
FL1R2
10L2L1
FL2L1
10L2
FL2
10L2R1
FL2R1
10L2R2
FL2R2
10R1L1
FR1L1
10R1L2
FR1L2
10R1
FR1
10R1R2
FR1R2
10R2L1
FR2L1
10R2L2
FR2L2
10R2R1
FR2R1
10R2
FR2
11L1
11L2
11R1
11R2
6L1
6L2
6R1
6R2

FIG.11

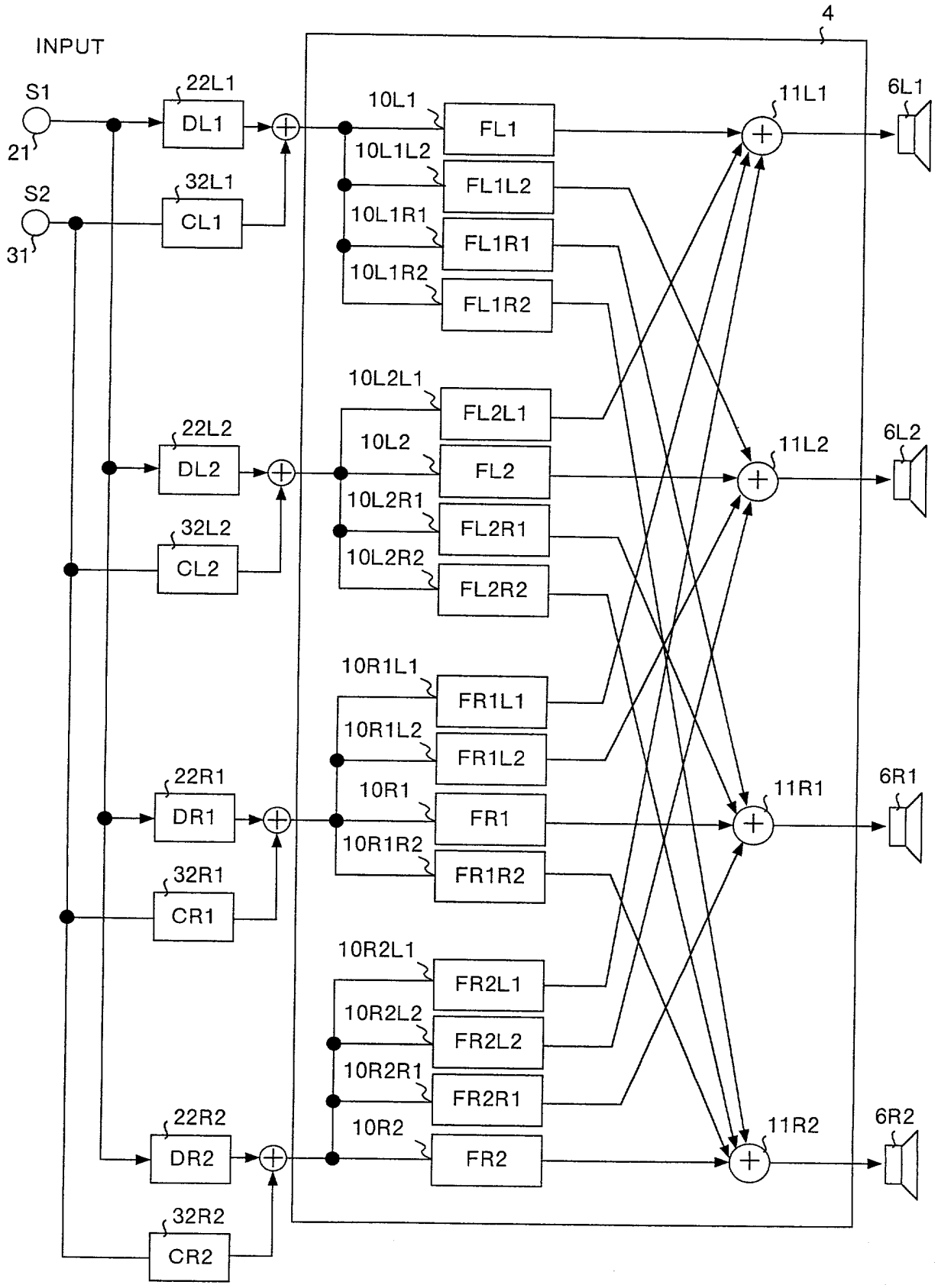

4
INPUT
S1
21
S2
31
22L1
DL1
32L1
CL1
22L2
DL2
32L2
CL2
22R1
DR1
32R1
CR1
22R2
DR2
32R2
CR2
10L1
FL1
10L1L2
FL1L2
10L1R1
FL1R1
10L1R2
FL1R2
10L2L1
FL2L1
10L2
FL2
10L2R1
FL2R1
10L2R2
FL2R2
10R1L1
FR1L1
10R1L2
FR1L2
10R1
FR1
10R1R2
FR1R2
10R2L1
FR2L1
10R2L2
FR2L2
10R2R1
FR2R1
10R2
FR2
11L1
11L2
11R1
11R2
6L1
6L2
6R1
6R2

FIG.12

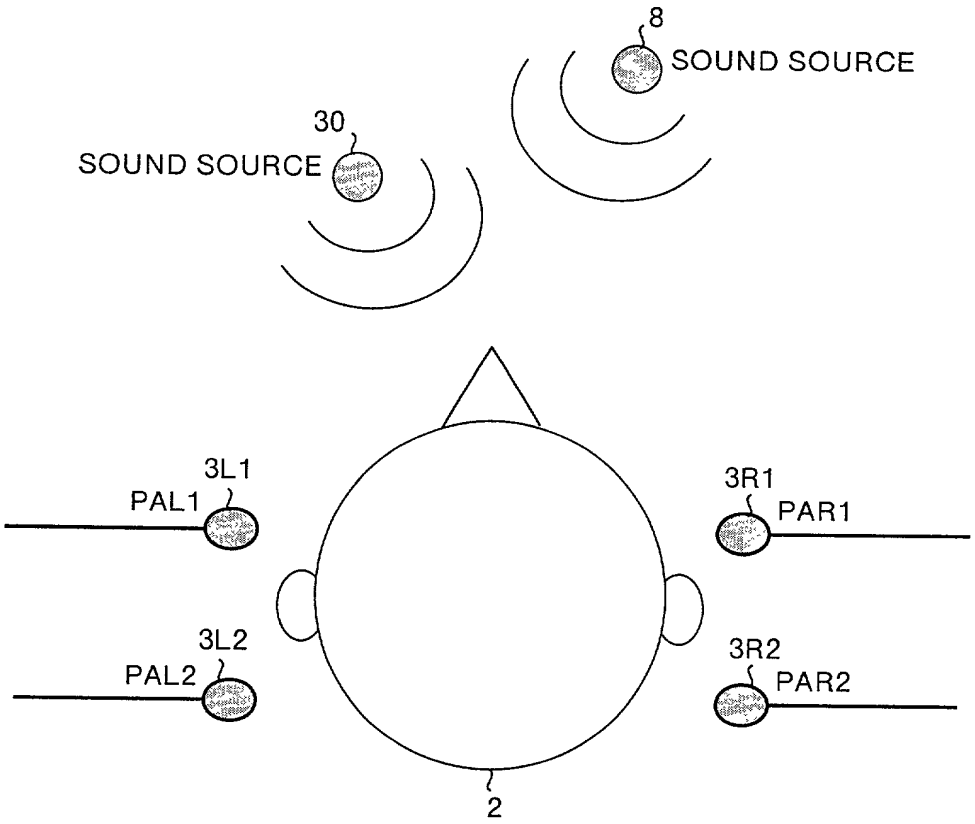

8
SOUND SOURCE
30
SOUND SOURCE
3L1
PAL1
3R1
PAR1
3L2
PAL2
3R2
PAR2
2

FIG.13

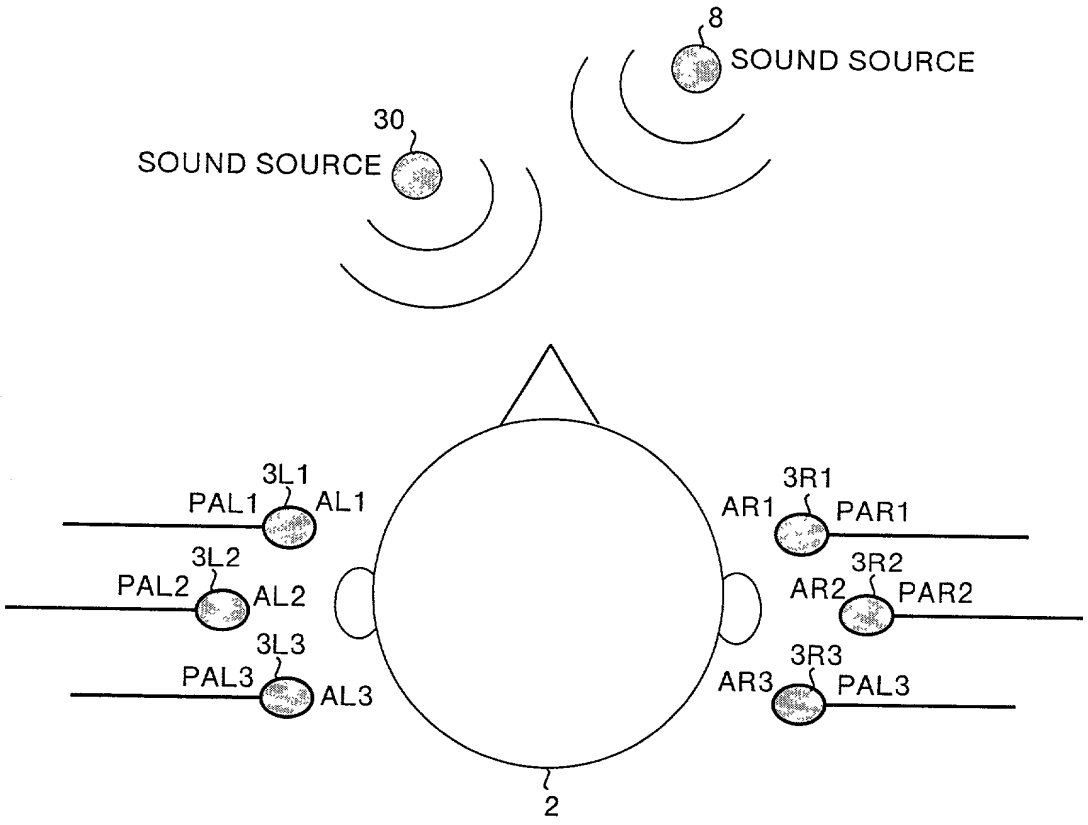

8
SOUND SOURCE
30
SOUND SOURCE
3L1
PAL1
AL1
3L2
PAL2
AL2
3L3
PAL3
AL3
3R1
AR1
PAR1
3R2
AR2
PAR2
3R3
AR3
PAL3
2

FIG.14

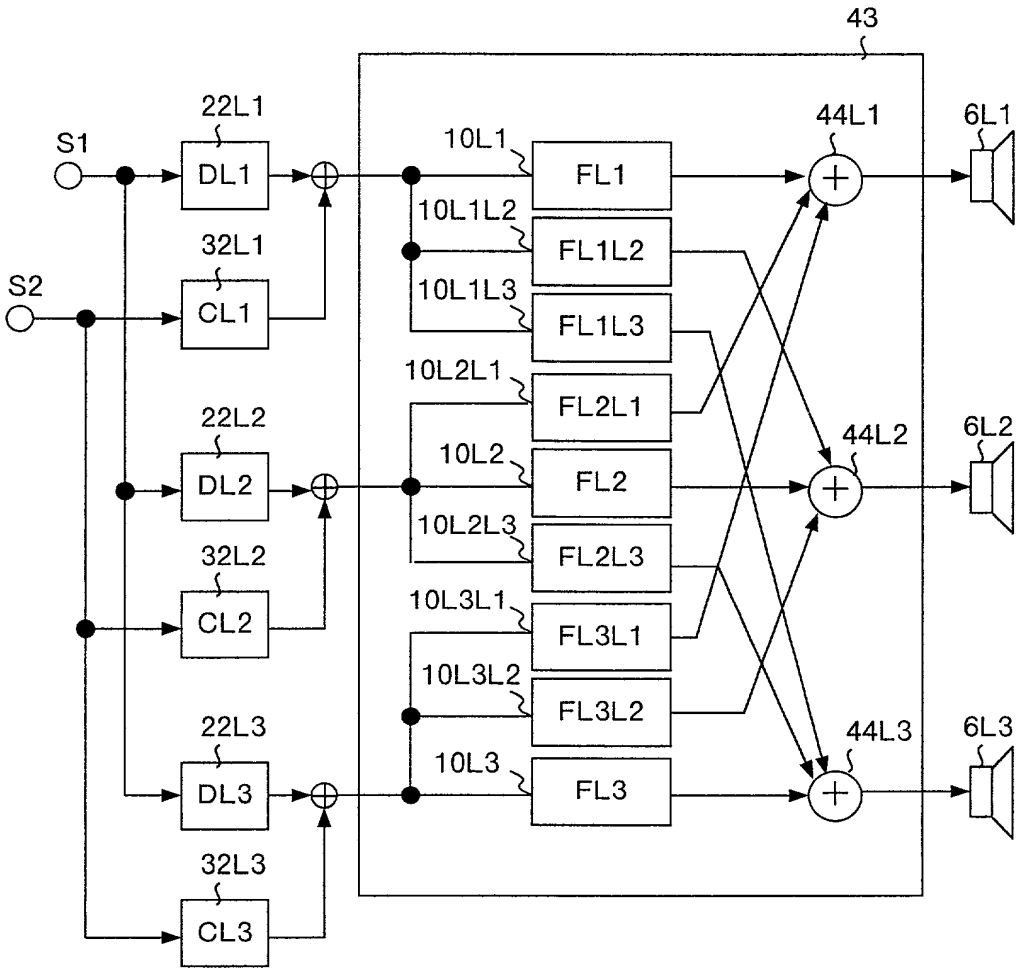

43
S1
S2
22L1
DL1
32L1
CL1
22L2
DL2
32L2
CL2
22L3
DL3
32L3
CL3
10L1
FL1
10L1L2
FL1L2
10L1L3
FL1L3
10L2L1
FL2L1
10L2
FL2
10L2L3
FL2L3
10L3L1
FL3L1
10L3L2
FL3L2
10L3
FL3
44L1
44L2
44L3
6L1
6L2
6L3

FIG.15

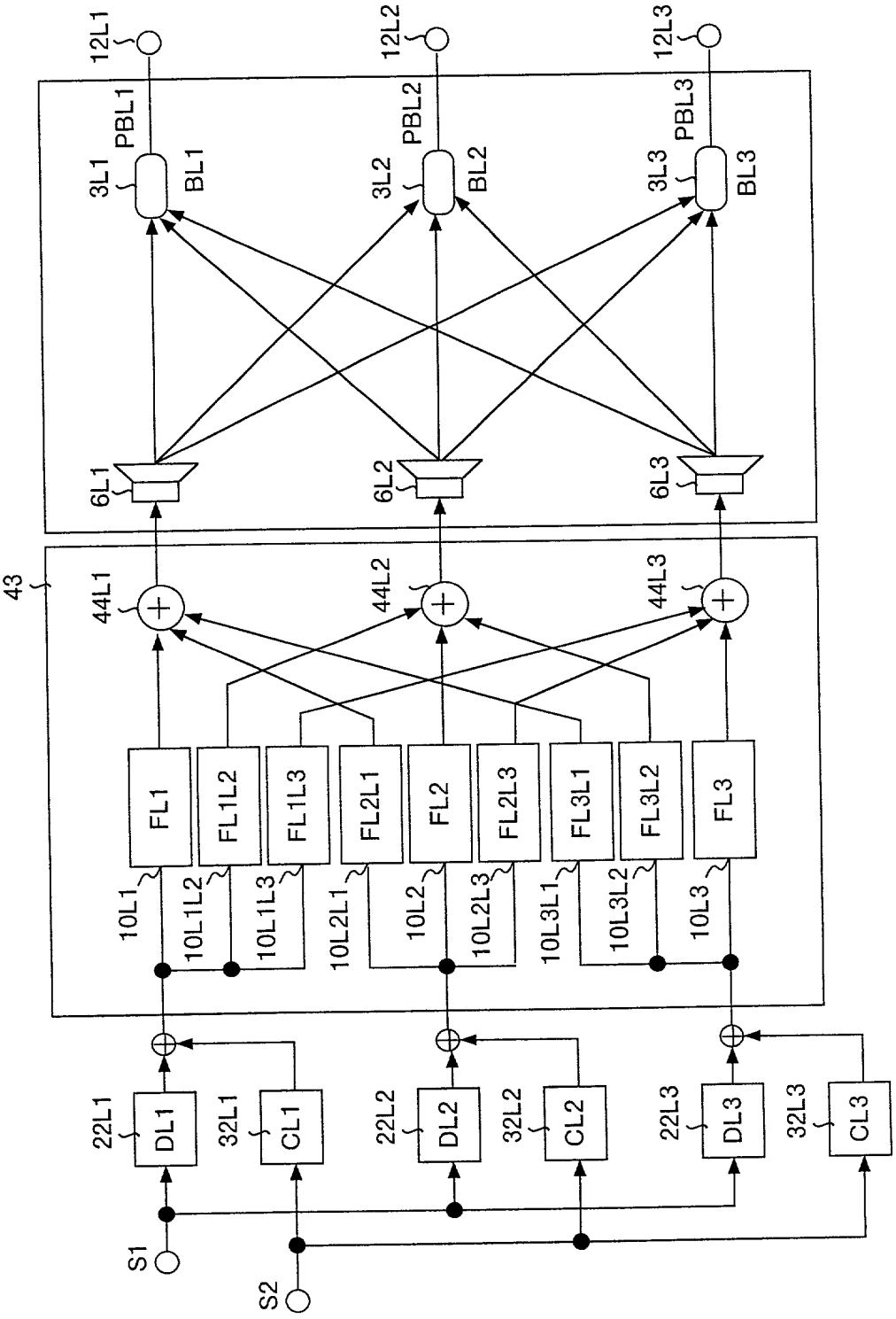

S1
S2
22L1
DL1
32L1
CL1
22L2
DL2
32L2
CL2
22L3
DL3
32L3
CL3
10L1
10L1L2
10L1L3
10L2L1
10L2
10L2L3
10L3L1
10L3L2
10L3
FL1
FL1L2
FL1L3
FL2L1
FL2
FL2L3
FL3L1
FL3L2
FL3
43
44L1
44L2
44L3
6L1
6L2
6L3
3L1
PBL1
BL1
3L2
PBL2
BL2
3L3
PBL3
BL3
12L1
12L2
12L3

FIG.16

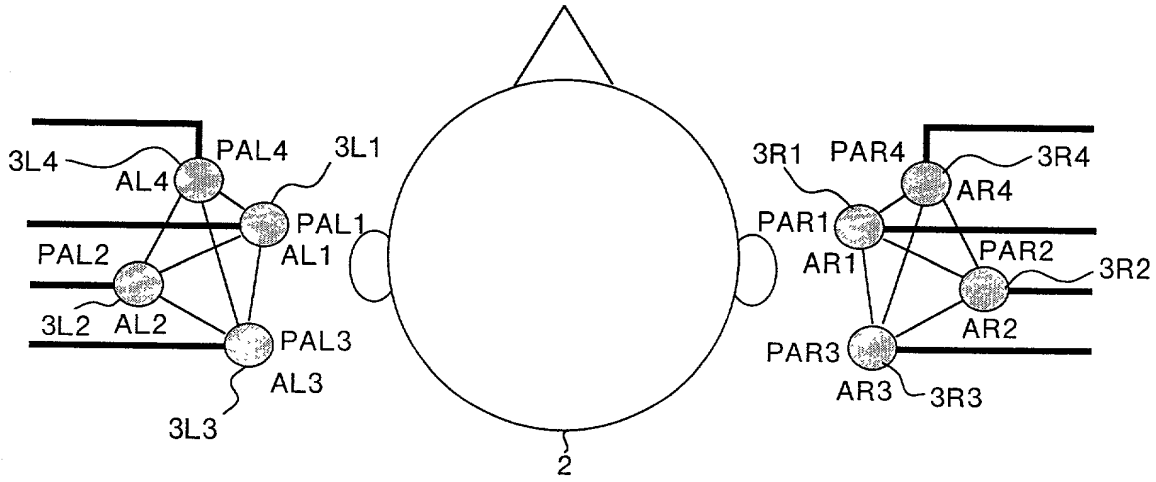

3L4
PAL4
3L1
AL4
PAL1
PAL2
AL1
3L2
AL2
PAL3
AL3
3L3
2
3R1
PAR4
3R4
AR4
PAR1
PAR2
AR1
3R2
AR2
PAR3
AR3
3R3

FIG.17

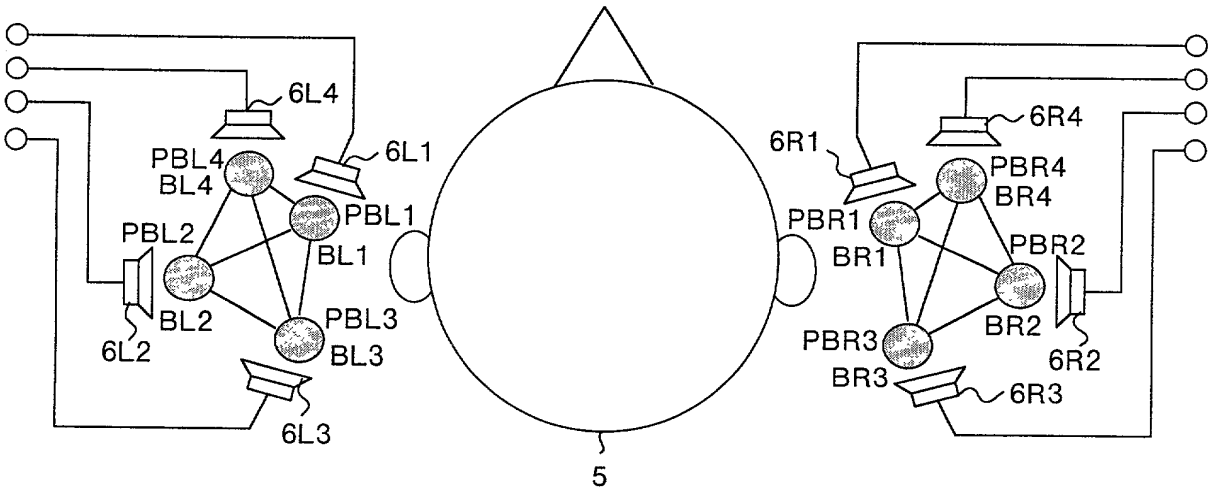
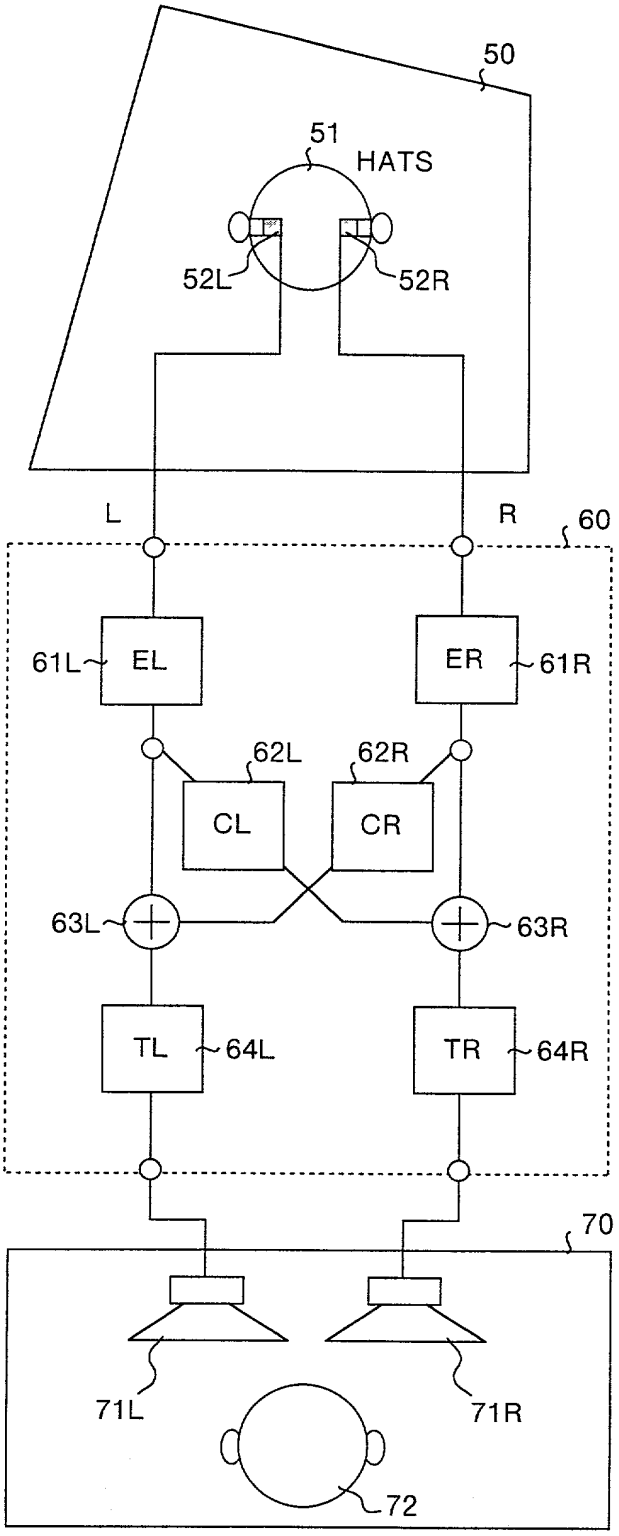

6L4
6L1
PBL4
BL4
PBL1
BL1
PBL2
BL2
PBL3
BL3
6L2
6L3
5
6R1
6R4
PBR4
BR4
PBR1
BR1
PBR2
BR2
PBR3
BR3
6R2
6R3

FIG.18


50
51
HATS
52L
52R
L
R
60
61L
EL
ER
61R
62L
62R
CL
CR
63L
63R
TL
64L
TR
64R
70
71L
71R
72